

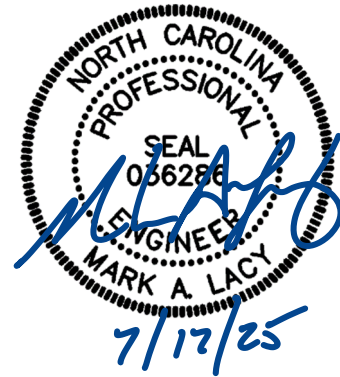
ADDENDUM NO. 2

TO: All Planholders

FROM: Mark Lacy, P.E.

DATE: July 17, 2025

RE: Carthage Water System Improvements
Contract 2 – Raw Water and Interconnection Pump Stations
Town of Carthage
LKC No. Cart-23.01



The following clarifications, additions, and/or revisions shall be acknowledged and incorporated into the Contract Documents for the above referenced project:

1. **Plan Modifications:** Plan sheets 13 and 14 have been revised to add ARV's to column and discharge piping and modify the way the pumps are restrained. Pricing should be based on the attached revised sheets.
2. **Electrical modifications:** Electrical requirements for several aspects of the project are to be modified as Indicated below.

Specification Modifications: The following modifications are to be made to Specification Section 16495: VARIABLE FREQUENCY DRIVE SYSTEMS:

1.1 SCOPE

The two (2) drive systems for 25HP pumps at the McCaskill Booster pump station are specified in Section 11001 – Package Booster Pump Station.

Two (2) drive systems (100HP) are to be provided for both Nicks Creek Raw Water Pump Motors.

2.9 Motor Mounted Cooling Fan

Remove the following "The drive system shall have a motor starter and overload protection for a 2hp TEFC fan for continuous cooling. The fan shall be 480vac 3phase."

Drawing Sheet E5: VFDs and electrical equipment inside the pump building are noted as NEMA 12 on the One-line Detail. NEMA 1 VFDs and electrical equipment Shall be acceptable for the McCaskill booster pump station if the equipment is located inside the conditioned air space. All electrical equipment shall be NEMA 4x Stainless Steel if located outside or on the rack.

Drawing Sheet E9: The proposed generator size has been changed to 250 kW / 312.5 kVA (min). Additionally, the pump motors should be noted 100 Hp, and wire between panelboard MDP and VFD 1 and VFD 2 has been changed to 3 #2/0 AWG, #2G each. Conduit size remains the same at 3-inch. Also note that air conditioning units must be provided in these VFD panels.

General Changes:

1. The Contractor shall supply a condensate heater in all panels, with the exception of the utility disconnect and the generator disconnect.
2. NEMA 4x rating is noted on the SWBD, disconnects and the electrical gear. If no NEMA 4x rate devices are available, then NEMA 3r aluminum will be acceptable.
3. The Contractor shall furnish an area 36 inch x 36 inch on the rack for the SCADA panel. The RTU panel shall meet requirements per Sheet E14. The RTU panel shall be furnished with all communications needed to have a fully functional system.
4. The Contractor shall coordinate communications with the Integrator for Contract 1 Carthage WTP Upgrade after an integrator has been selected. The cellular modem shall be furnished with a sims card and all other electrical Ethernet and hardwire connections for communications with Contract 1 - Carthage WTP.

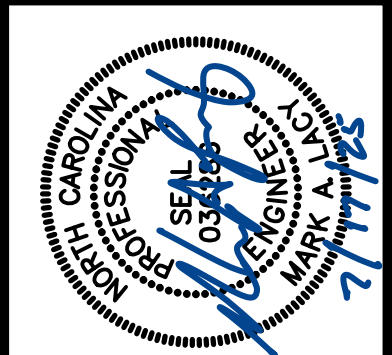
3. **Structure Rehabilitation for Alternate Bid:** Additional guidance for the brick structure rehab is provided below:

- The intent for the rehab work is to remove debris from the structure interiors, seal cracks, and provide a cementitious interior and exterior coating. The top of each structure will need to be grouted to plug voids in the brick and seal cracks. The structure to the northwest has water running through it continuously and will need to remain in service. It can be assumed that coatings will be above the water level only.
- The structure on the northwest side is approximately 8' x 10' and is about 18' deep on the inside and top of the wall is about 10' above grade on the outside. The southeast structure is about 9' x 9' and is about 18' deep on the inside and top of the wall is about 8' above grade on the outside.
- An epoxy topcoat will not be required, and all coatings must be suitable for drinking water systems and raw water.

If you should have any questions, please contact this office. **Please acknowledge receipt of this Addendum when submitting your bid.**

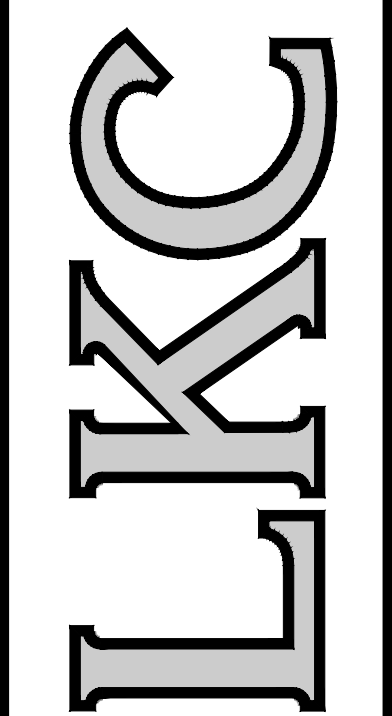
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XREFs: go tbx01 (Contract 1) = \\N:\9010bx01 Contract 1.dwg; Proposed Nicks Creek Intercon.; 09 Mechanical\Proposed Nicks Creek Intercon.dwg; MAL_PUMP.dwg; IMAGE: H:\001\14.1.dmp

REVISIONS			
SYM.	DESCRIPTION	DATE	BY
1	TENSION ROD SUPPORTS AND OVERSIZED FLANGE ADDITIONS	07-11-2025	DJN
2	ADDED 1" ARV'S (4) TOTAL	07-11-2025	DJN



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Engineering
Landscape Architecture
Surveying

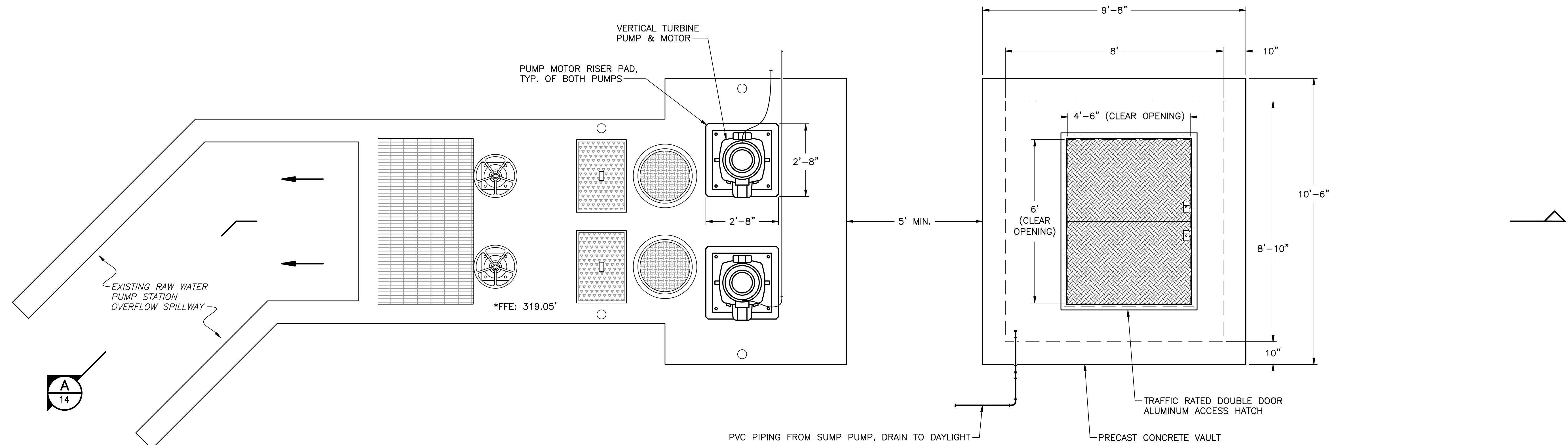


Nicks Creek Pump Station
Modification Plans

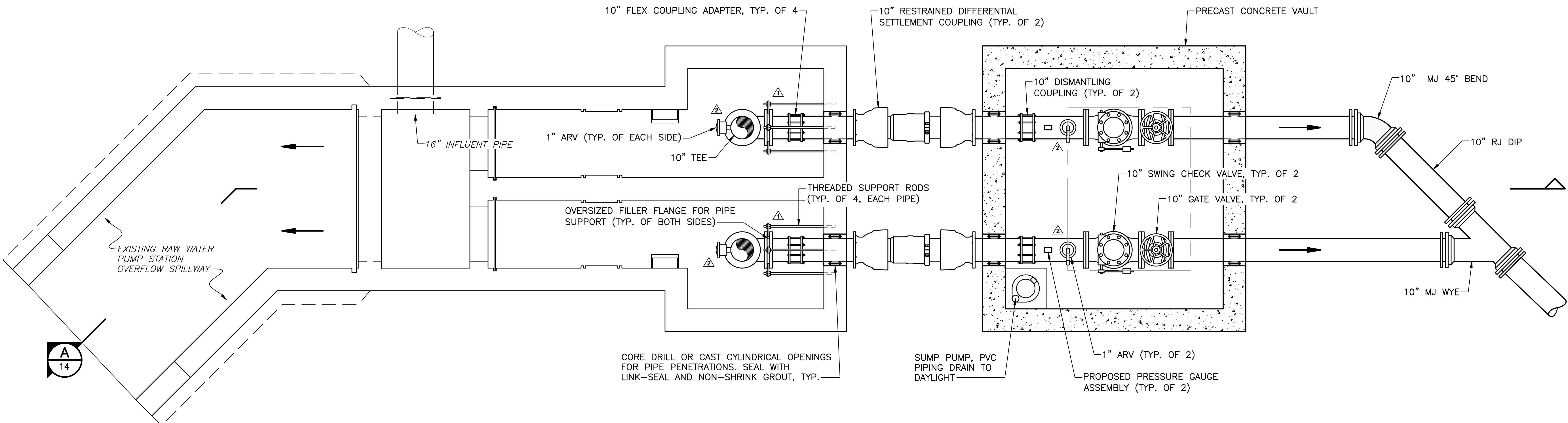
Water Supply and Treatment
Improvements Contract 2: Raw Water
& Interconnection Pump Stations
for the
Town Of Carthage
Moore County, North Carolina

DATE: September, 2023
DESIGNED: MAL
DRAWN: DJN
CHECKED: MAL
NO.

13



1 PUMP STATION MODIFICATIONS TOP PLAN
13 SCALE: 1/2" = 1'-0"



2 PUMP STATION MODIFICATIONS BOTTOM PLAN
13 SCALE: 1/2" = 1'-0"

0 1' 2' 3' 6'
AT FULL SIZE: 1/2" = 1'-0"

